

Attorney Docket No. 0524-0160

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: )  
Kawazoe et al. )  
Serial No.: 10/516,377 )  
Filed: November 30, 2004 )  
Examiner: )  
Art Unit: )  
For: Electrode Material And Semiconductor )  
Element )

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Shannon Wallace

Date: January 5, 2005

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97, as revised on February 4, 1992, 1135 OG 23-24, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. A copy of each of the documents is enclosed herewith for the Examiner's consideration.

Applicants are including with this IDS a copy of the Search Report from PCT/JP2004/005868 for which this application claims priority. Applicants are also including the references cited in that search report.

The other references cited herein are discussed in the specification of the present application. Please see the following pages of the specification of the present application, page 1 which discusses Japanese Unexamined Patent Publication Hei 07-029924, pages 3-4 which discuss Japanese Unexamined Patent Publication Hei 07-221348 and Japanese Examined Patent

Publication Sho 59-18877 and page 5 which discusses the Konagai reference, for a more detailed explanation of those reference in Japanese.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

As an Office Action or Notice of Allowance has not yet issued on this application, no fee is believed necessary. However, please charge our Deposit Account No. 50/1039 for any necessary IDS filing fee.

Respectfully submitted,

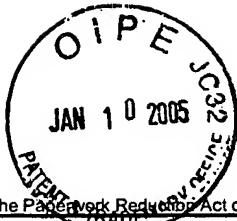
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Mark J. Murphy  
Registration No.: 34,225

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Suite 2850  
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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1 of 2

**Complete if Known**

Application Number	10/516,377
Filing Date	November 30, 2004
First Named Inventor	Hiroshi KAWAZOE
Art Unit	
Examiner Name	
Attorney Docket Number	0524-0160

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

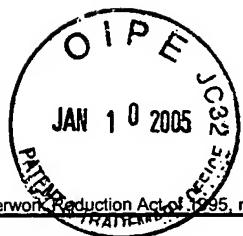
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		JP 2000-091598 A	03-31-2000	Katsuaki, et al	w/Eng. abstract	
		JP 08-023112 A	01-23-1996	Takayuki, et al	w/Eng. abstract	
		JP 07-221348 A	08-18-1995	Hayashi, et al.		
		JP 07-29924 A	01-31-1995	Yamada, et al.		
		JP 59-18877 B2	05-01-1984			

Examiner Signature \_\_\_\_\_ Date Considered \_\_\_\_\_

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

2

of

2

Application Number

10/516,377

Filing Date

November 30, 2004

First Named Inventor

Hiroshi KAWAZOE

Art Unit

Examiner Name

Attorney Docket Number

0524-0160

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		International Search Report (Publication No. WO 2004/097849), Dated August 17, 2004.	
		KATAYAMA et al., "ZnSe-based white LEDs", JOURNAL OF CRYSTAL GROWTH, vol. 214/215, pp. 1064-1070, (2000).	
		ISHIBASHI, et al., "Advances in blue laser diodes", JOURNAL OF CRYSTAL GROWTH, vol. 138, pp. 677-685, (1994).	
		FAN, et al., "Graded band gap ohmic contact to p-ZnSe", APPL. PHYS. LETT., vol. 61, pp. 3160-3162, (December 1992)	
		M. KONAGAI, "Basis and application of thin film solar cell," OHMSHA, pp. 175-192 (2001).	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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